

STIC EIC 2100 Search Request Form

Today's Date:

10/19/07

What date would you like to use to limit the search?

Priority Date: 7/31/03

Other:

Name Dierane Bayard

AU 2141 Examiner # 80070

Room # 4B15 Phone _____

Serial # 10/632447

Format for Search Results (Circle One):

PAPER DISK EMAIL

Where have you searched so far?

USP DWPI EPO JPO ACM IBM TDB

IEEE INSPEC SPI Other _____

Is this a "Fast & Focused" Search Request? (Circle One) YES NO

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at <http://ptoweb/patents/stic/stic-tc2100.htm>.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

Is this request for a BOARD of APPEALS case? (Circle One) YES NO

Is this case a SPECIAL CASE? (Circle One) YES NO

Assigning home directory to a dynamic account.

STIC Searcher Lucy Park Phone 28667

Date picked up 10-19-07 Date Completed 10-19-07

STIC Database Tracking Number: 240879

To: DJENANE BAYARD
Location: RND-4B15
Art Unit: 2141
Friday, October 19, 2007

Case Serial Number: 10/632447

From: LUCY PARK
Location: EIC2100
RND-4B28 / RND-4B31
Phone: (571)272-8667

lucy.park@uspto.gov

Search Notes

Here are the results of your Fast & Focused search. I flagged the records that looked most interesting, but please review all of the results. Please don't hesitate to contact me if you have any questions about the search.

Thank you,
Lucy

Lucy Park
NPL/Patent Searcher
EIC 2100

STIC Search Results Feedback Form

EIC 2100

Questions about the scope or the results of the search? Contact *the EIC searcher or contact:*

Alyson Dill, EIC 2100 Team Leader
272-3527, RND 4B28

Voluntary Results Feedback Form

➤ I am an examiner in Workgroup: Example: 2133

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
(Journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC/EIC2100 RND, 4B28

[File 347] JAPIO Dec 1976-2007/Jun(Updated 070926)

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[File 350] Derwent WPIX 1963-2007/UD=200766

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**File 350: DWPI has been enhanced to extend content and functionality of the database. For more info, visit <http://www.dialog.com/dwpi/>.*

;ds

Set Items Postings Description

S1 9541 69439 S (GRID OR DISTRIBUTED)(3N)COMPUT???

S2 8613 101943 S RESOURCE? ?(3N)(ALLOCAT??? OR REALLOCAT??? OR ASSIGN???? OR REASSIGN???)

S3 858 5279 S (DYNAMIC? OR VIRTUAL? OR ON(2N)FLY)(3N)ACCOUNT? ?

S4 55 282 S S3(3N)(SECOND OR 2ND OR ANOTHER OR NEXT OR TWO OR ADDITIONAL OR DIFFERENT OR SEPARATE)

S5 1143 8977 S (DIRECTOR??? OR FOLDER? ?)(3N)(HOME OR ROOT OR MAIN OR PRIMARY)

S6 0 0 S S1 AND S4 AND S5

S7 0 0 S S4 AND S5

S8 0 0 S S1 AND S3 AND S5

S9 9 87 S S1 AND S3

S10 1 16 S S1 AND S2 AND S3

S11 0 0 S S1 AND S2 AND S5

S12 19 561 S S1:S2 AND S5

S13 19 561 S S12 NOT (S9 OR S10)

S14 17 507 S S13 NOT AD=20030731:20071019/PR

S15 194 608 S AU=(BASU S? OR BASU, S?)

S16 9 134 S S15 AND S1

S17 666 3926 S (DIRECTOR??? OR FOLDER? ?)(3N)(ASSIGN? OR ALLOCAT? OR PIN OR PINS OR PINNED OR PINNING)

S18 9 142 S S17 AND S1

S19 7 119 S S18 NOT AD=20030731:20071019/PR

S20 27 223 S S3(3N)(ASSIGN? OR ALLOCAT?)

S21 27 223 S S20 NOT (S9 OR S10 OR S14 OR S16 OR S19)

S22 18 122 S S21 NOT AD=20030731:20071019/PR

[** your application **]

16/5/8 (Item 8 from file: 350) [Links](#)

Derwent WPIX

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0014803852 *Drawing available*

WPI Acc no: 2005-151538/200516

XRPX Acc No: N2005-127862

Resource allocation management method for grid computing system, involves allocating resources according to contract for interactive session specifying resource allocation and authorizations

Patent Assignee: BASU S (BASU-I); KUMAR R (KUMA-I); TALWAR V (TALW-I)

Inventor: BASU S; KUMAR R; TALWAR V

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20050027863	A1	20050203	US 2003632333	A	20030731	200516	B

Priority Applications (no., kind, date): US 2003632333 A 20030731

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 20050027863	A1	EN	10	5	

Alerting Abstract US A1

NOVELTY - The applications needed to be launched in interactive session, are identified, in response to request for interactive session received from user. The resource requirements including processor, network bandwidth and file requirements, are determined for the interactive session. The contract for the interactive session specifying resource allocation and authorizations is generated and accordingly resources are allocated.

DESCRIPTION - An **INDEPENDENT CLAIM** is also included for resource allocation management system.

USE - For managing resource allocations for interactive session e.g. virtual networking computing (VNC) remote display session on **grid computing** system e.g. general purpose computer and network server.

ADVANTAGE - The use of contracts permits appropriate control and management of interactive session and addresses scalability issues in terms of grid-users, accounts, policies, resource and contracts in **grid computing** system.

DESCRIPTION OF DRAWINGS - The figure shows a flowchart illustrating the steps involved in contract generation engine process.

19/5/3 (Item 3 from file: 350) [Links](#)

Derwent WPIX

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0013366314 *Drawing available*

WPI Acc no: 2003-455738/200343

XRPX Acc No: N2003-362350

Distributed resource allocation handling system in computer network, determines whether resource class of new resource request matches with resource class in tree structure of global directory

Patent Assignee: WORLDCOM INC (WORL-N)

Inventor: COMBS C; GOLD J; MAIR B; PEDERSEN D; SCHEAR D

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 6523065	B1	20030218	US 1999365636	A	19990803	200343	B

Priority Applications (no., kind, date): US 1999365636 A 19990803

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 6523065	B1	EN	37	21	

Alerting Abstract US B1

NOVELTY - A resource verifier examines the tree structure of a global directory to determine whether the resource class of new resource request received by the resource allocator, matches the resource class in the tree structure.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- computer network;
- flow control and data transmission interface;
- functional calls and data exchanging method;
- new resource registering method; and
- computer-readable medium storing new resource request determining program.

USE - In computer network (claimed) e.g. public switched telephone network (PSTN), asynchronous transfer mode network, Internet, intranet and private network.

ADVANTAGE - Dynamic global network information is efficiently maintained.

DESCRIPTION OF DRAWINGS - The figure shows an illustrative view of the resource allocator handling system functional interface.

19/5/4 (Item 4 from file: 350) [Links](#)

Derwent WPIX

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0013330630 *Drawing available*

WPI Acc no: 2003-418025/200339

XRPX Acc No: N2003-333426

Entries grouping method in directory server, involves assigning entry to enumerated role so that entry possessing enumerated role is selectable by selecting all entries

Patent Assignee: BOREHAM D (BORE-I); ROWLEY P (ROWL-I); SMITH M C (SMIT-I); SUN MICROSYSTEMS INC (SUNM)

Inventor: BOREHAM D; ROWLEY P; SMITH M C

Patent Family (2 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20030037044	A1	20030220	US 2001867508	A	20010529	200339	B
US 7016907	B2	20060321	US 2001867508	A	20010529	200621	E

Priority Applications (no., kind, date): US 2001867508 A 20010529

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 20030037044	A1	EN	47	24	

Alerting Abstract US A1

NOVELTY - An entry is assigned to an enumerated role so that entry possessing the enumerated role is selected by selecting all entries.

DESCRIPTION - An **INDEPENDENT CLAIM** is also included for entries grouping apparatus.

USE - In directory server for providing services in centralized or **distributed computing** system.

ADVANTAGE - Enhances interpretation of directory data in the directory server. Enables the user to locate the roles of target entry easily to the directory server.

DESCRIPTION OF DRAWINGS - The figure shows the client server architecture depicting the directory server.

22/5/7 (Item 6 from file: 350) [Links](#)

Derwent WPIX

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0013870814 *Drawing available*

WPI Acc no: 2004-049511/200405

Method for supplying integrated mail using distributed network and system therefor

Patent Assignee: BIZMODELINE CO LTD (BIZM-N)

Inventor: HONG J C; KIM J H; KWON B G

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
KR 2003071978	A	20030913	KR 200211481	A	20020305	200405	B

Priority Applications (no., kind, date): KR 200211481 A 20020305

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
KR 2003071978	A	KO	1	10	

Alerting Abstract KR A

NOVELTY - A system for supplying integrated mail using a distributed network is provided to be assigned with mail capacities as many as all mail capacities **assigned** to each mail **account** through a **virtual mail account**, and to use each mail server as a mail storage space of the virtual mail account, thereby supplying a high capacity mail service to users.

DESCRIPTION - A virtual mail server(110) **assigns** a **virtual mail account** to a client using E-mail, and configures a distributed mail network by interworking with an existing mail account of the client. A mail gateway(135) distributively moves mail received in the virtual mail server(110) to the existing mail account of the client. The virtual mail server(110) comprises as follows. A mail receiver(115) receives mail transmitted from a mail sender(160) with the virtual mail account of the virtual mail server(110). A mail sending unit(120) sends the mail through the virtual mail account. A mail processor(125) processes the mail transceived with the virtual mail account of the virtual mail server(110).

22/5/16 (Item 15 from file: 350) [Links](#)

Derwent WPIX

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0010188002 *Drawing available*

WPI Acc no: 2000-497897/200044

XRPX Acc No: N2000-368968

User account managing method in client-server network, involves establishing user account at client, in format of closed native operating system, after authentication

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: DUTCHER D P; LENHARTH S A; SMITH S A

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 6065054	A	20000516	US 1997888415	A	19970707	200044	B

Priority Applications (no., kind, date): US 1997888415 A 19970707

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 6065054	A	EN	18	15	

Alerting Abstract US A

NOVELTY - A user account is established at the client, in a format of closed native operating system, after authenticating user for non-active server domain. Thus user is allowed to access resources via the operating system. A predetermined action is taken with respect to user account, at predetermined time.

DESCRIPTION - The action is selected from group of actions including maintenance, disabling and deleting user account. **INDEPENDENT CLAIMS** are also included for the following:

- computer program product;
- computer connected to network

USE - In client-server network.

ADVANTAGE - Enables assignment and maintenance of privileges to local user accounts, after successful authentication. **Dynamically assigns** and manages user account following user authentication against account held at non-native server domain.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of computer network.

[File 348] **EUROPEAN PATENTS 1978-2007/ 200742**

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**File 348: For important information about IPCR/8 and forthcoming changes to the IC= index, see HELP NEWSIPCR.*

[File 349] **PCT FULLTEXT 1979-2007/UB=20070927UT=20070920**

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**File 349: For important information about IPCR/8 and forthcoming changes to the IC= index, see HELP NEWSIPCR.*

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Set Items Postings Description

S1 15633 118584 S (GRID OR DISTRIBUTED)(3N)COMPUT???

S2 16610 234622 S RESOURCE? ?(3N)(ALLOCAT??? OR REALLOCAT??? OR ASSIGN???? OR REASSIGN????)

S3 1889 12946 S (DYNAMIC? OR VIRTUAL? OR ON(2N)FLY)(3N)ACCOUNT? ?

S4 94 918 S S3(3N)(SECOND OR 2ND OR ANOTHER OR NEXT OR TWO OR ADDITIONAL OR DIFFERENT OR SEPARATE)

S5 3704 37802 S (DIRECTOR??? OR FOLDER? ?)(3N)(HOME OR ROOT OR MAIN OR PRIMARY)

S6 0 0 S S1(100N)S4

S7 0 0 S S4(20N)S5

S8 1 7 S S1(20N)S2(20N)S3

S9 74 588 S S1(10N)S2

S10 3827 19822 S (DIRECTOR??? OR FOLDER? ? OR ACCOUNT? ?)(3N)(ASSIGN? OR ALLOCAT?)

S11 0 0 S S9(50N)S10

S12 6 32 S S10(20N)S1

fulltext
patents

[File 2] **INSPEC** 1898-2007/Oct W1
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[File 6] **NTIS** 1964-2007/Oct W3
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[File 8] **Ei Compendex(R)** 1884-2007/Sep W5
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[File 35] **Dissertation Abs Online** 1861-2007/Jul
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[File 65] **Inside Conferences** 1993-2007/Oct 19
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[File 95] **TEME-Technology & Management** 1989-2007/Oct W2
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[File 99] **Wilson Appl. Sci & Tech Abs** 1983-2007/Sep
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[File 144] **Pascal** 1973-2007/Oct W1
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[File 256] **TecInfoSource** 82-2007/Sep
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[File 434] **SciSearch(R) Cited Ref Sci** 1974-1989/Dec
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Set	Items	Description
S1	129176	S (GRID OR DISTRIBUTED)(3N)COMPUT???
S2	97311	S RESOURCE? ?(3N)(ALLOCAT??? OR REALLOCAT??? OR ASSIGN???? OR REASSIGN????)
S3	12558	S (DYNAMIC? OR VIRTUAL? OR ON(2N)FLY)(3N)ACCOUNT? ?
S4	359	S S3(3N)(SECOND OR 2ND OR ANOTHER OR NEXT OR TWO OR ADDITIONAL OR DIFFERENT OR SEPARATE)
S5	905	S (DIRECTOR??? OR FOLDER? ?)(3N)(HOME OR ROOT OR MAIN OR PRIMARY)
S6	0	S S1 AND S4
S7	7	S S1 AND S5
S8	6	RD (unique items)
S9	14	S S1 AND S2 AND S3
S10	11	RD (unique items)
S11	11	S S10 NOT S8
S12	296	S (DIRECTOR??? OR FOLDER? ?)(3N)(ASSIGN? OR ALLOCAT? OR PIN OR PINS OR PINNED OR PINNING)
S13	4	S S1 AND S12
S14	4	RD (unique items)
S15	36	S S3(3N)(ASSIGN? OR ALLOCAT?)
S16	6	S S15 AND S1
S17	4	RD (unique items)

8/5/4 (Item 2 from file: 95) [Links](#)

TEME-Technology & Management

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01097150 E97041608080

The design and implementation of a network account management system

(Der Entwurf und die Implementierung eines netzwerkweiten Account-Managementsystems)

Harris, JA; Gingerich, G

James Madison Univ., USA; Bell Atlantic, USA

LISA X, Proc. of the 10th Syst. Administration Conf., Conf. Proc., Chicago, USA, Sep 29 - Oct 4, 1996 , 1996

Document type: Conference paper **Language:** English

Record type: Abstract

ISBN: 1-880446-81-2

Abstract:

In many heterogeneous UNIX networks, users require accounts with attributes that vary by machine. This creates a complex management job. This paper reports on a software system for creating and maintaining network accounts. Commercial and publicly available tools are briefly examined. Disadvantages of commercial tools are found to be high expense, difficulty of modification, and uncertainty of availability on future platforms. NIS and NIS+ are found to lack sufficient flexibility. Kerberos is determined to be an authentication system, not a user management tool. The Network Account Management System (NAMS) is described. It addresses two key requirements. First, that users be able to have a single login across machines on a network, creating the abstraction of a 'network account.' Second, that these accounts allow for attributes such as **home directory**, expiration date, and login shell to vary by machine.

Descriptors: UNIX OPERATING SYSTEMS; SOFTWARE TOOLS; **DISTRIBUTED COMPUTING** ; ACCESS CONTROL; DATA INTEGRITY; SAFETY SYSTEMS; ACCOUNT; PROGRAMMING ENVIRONMENTS; DATA EXCHANGE; DATA COMMUNICATION; COMPUTER OPERATION; COMPUTER NETWORKS; DATA NETWORK ADMINISTRATION; SELF MONITORING

Identifiers: NETZWERKWEITE BENUTZERVERWALTUNG; NETZWERKABRECHNUNGSSYSTEM; netzwerkweite Benutzerverwaltung; Abrechnungssystem

11/5/5 (Item 5 from file: 2) [Links](#)

INSPEC

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08938876 **INSPEC Abstract Number:** C2004-05-6130S-194

Title: The PRIMA system for privilege management, authorization and enforcement in grid environments

Author Lorch, M.; Adams, D.B.; Kafura, D.; Koneni, M.S.R.; Rathi, A.; Shah, S.

Author Affiliation: Dept. of Comput. Sci., Virginia Tech., VA, USA

Conference Title: Proceedings. Fourth International Workshop on Grid Computing p. 109-16

Editor(s): Werner, B.

Publisher: IEEE Comput. Soc , Los Alamitos, CA, USA

Publication Date: 2003 **Country of Publication:** USA xi+214 pp.

ISBN: 0 7695 2026 X **Material Identity Number:** XX-2003-03623

U.S. Copyright Clearance Center Code: 0 7695 2026 X/2003/\$17.00

Conference Title: Proceedings. Fourth International Workshop on Grid Computing

Conference Sponsor: IEEE Comput. Soc.; IEEE Task Force on Cluster Comput

Conference Date: 17 Nov. 2003 **Conference Location:** Phoenix, AZ, USA

Language: English **Document Type:** Conference Paper (PA)

Treatment: Practical (P)

Abstract: Many grid usage scenarios depend on small, dynamic working groups for which the ability to establish transient collaboration with little or no intervention from resource administrators is a key requirement. The system developed, PRIMA, focuses on the issues of management and enforcement of fine-grained privileges. **Dynamic account** creation and leasing as well as expressive enforcement mechanisms facilitate highly dynamic authorization policies and least privilege access to resources. PRIMA mechanisms enable the use of finegrained access rights, reduce administrative costs to resource providers, enable ad hoc and dynamic collaboration scenarios, and can also be used to provide improved security service to long-lived grid communities while leveraging other work in the **grid computing** and security domains. (17 Refs)

Subfile: C

Descriptors: authorisation; **grid computing**; **resource allocation**

Identifiers: PRIMA system; fine-grained privilege management; dynamic authorization; enforcement mechanism; least privilege access; dynamic collaboration; security service; **grid computing**; resource providers

Class Codes: C6130S (Data security); C6150N (Distributed systems software); C6150J (Operating systems)

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11/5/11 (Item 1 from file: 144) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#)

Pascal

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12880806 PASCAL No.: 97-0143521

Application-assisted dynamic scheduling on large-scale multi-computer systems

Euro-Par'96 : parallel processing : Lyon, August 26-29, 1996

KONURU R B; MOREIRA J E; NAIK V K

BOUGE Luc, ed; FRAIGNIAUD Pierre, ed; MIGNOTTE Anne, ed; ROBERT Yves, ed

IBM T.J. Watson Research Center, P.O. Box 218, Yorktown Heights, NY

10598-0218, United States

International Euro-Par conference, 2 (Lyon FRA) 1996-08-26

Journal: Lecture notes in computer science,

1996, 1123 1455-1464

ISSN: 0302-9743 Availability: INIST-16343;

354000063994311900

No. of Refs.: 15 ref.

Document Type: P (Serial); C (Conference Proceedings) ; A (Analytic)

Country of Publication: Germany; United States

Language: English

On multi-user large-scale multi-computers, application workload is highly variable and typically unpredictable. In this paper, we present and analyze the performance of three scheduling policies for such systems. Two of these are static scheduling policies that **assign resources** at job startup time, but make no subsequent changes in **allocated resources**. The third policy **allocates resources** to jobs **dynamically** taking into **account** resource requirements of all jobs in the system. We compare the performance of these three policies using the resource reconfiguration infrastructure provided by the Distributed Resource Management System (DRMS). On a variety of workloads we tested, our results indicate that, among the three policies, the reconfigurable policy provided the lowest response time for any given utilization.

English Descriptors: Scheduling; Resource management; Reconfiguration;

Large scale system; **Computer** system; **Distributed** system;

Workload; Response time; System performance

French Descriptors: Ordonnancement; Gestion ressources; Reconfiguration;

Système grande taille; Système informatique; Système reparté; Charge

travail; Temps réponse; Performance système

Classification Codes: 001D02A05; 001D02B04; 001D02B10

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A Framework for Resource Allocation in Grid Computing

Grid computing is the future **computing** paradigm for enterprise applications. An enterprise application running on **grid** is composed of a set of ...
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File Format: PDF/Adobe Acrobat - [View as HTML](#)

in these systems remain to be addressed. **Resource allocation** schemes for **grid computing** include the market-based resource sharing as proposed by Chun and ...
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[PDF] RESOURCE ALLOCATION IN GRID COMPUTING

File Format: PDF/Adobe Acrobat - [View as HTML](#)

RESOURCE ALLOCATION IN GRID COMPUTING. Ger Koole, Vrije Universiteit, The Netherlands, koole@few.vu.nl. Rhonda Righter, The University of California, ...
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Market-based Resource Allocation for Grid Computing: A Model and ...

Resource allocation is an important aspect of **Grid computing**. One approach uses market mechanisms to allocate resources. In this paper, we review the ...
citeseer.ist.psu.edu/gomoluch03marketbased.html - 23k - [Cached](#) - [Similar pages](#)

Performance evaluation of market-based resource allocation for ...

Resource allocation is an important aspect of **Grid computing**. Over the past few years, various systems. have been developed which use market mechanisms to ...
doi.wiley.com/10.1002/cpe.826 - [Similar pages](#)

LNCS 3759 - Resource Allocation Based on Pricing for Grid ...

Model for **Resource Allocation** in **Grid Computing** System. Proceedings of the. 2002 IEEE Canadian Conference on Electrical and Computer Engineering ,2002, ...
www.springerlink.com/index/y77411m718227154.pdf - [Similar pages](#)

LNCS 3758 - Effective Resource Allocation in a JXTA-Based Grid ...

There are many papers on **resource allocation** under **Grid computing** environ-. ments. **Grid resource allocation** and control have been studied in Ref. ...
www.springerlink.com/index/ft6241457q438146.pdf - [Similar pages](#)
[[More results from www.springerlink.com](http://www.springerlink.com)]

Resource allocation management in interactive grid computing ...

A method and system for the **resource allocation** for an interactive session on a **grid computing** system. When a user-request for an interactive session is ...
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